www.DAU.mil

DAU
Defense Acquisition University

Foundational Learning

Workflow Learning
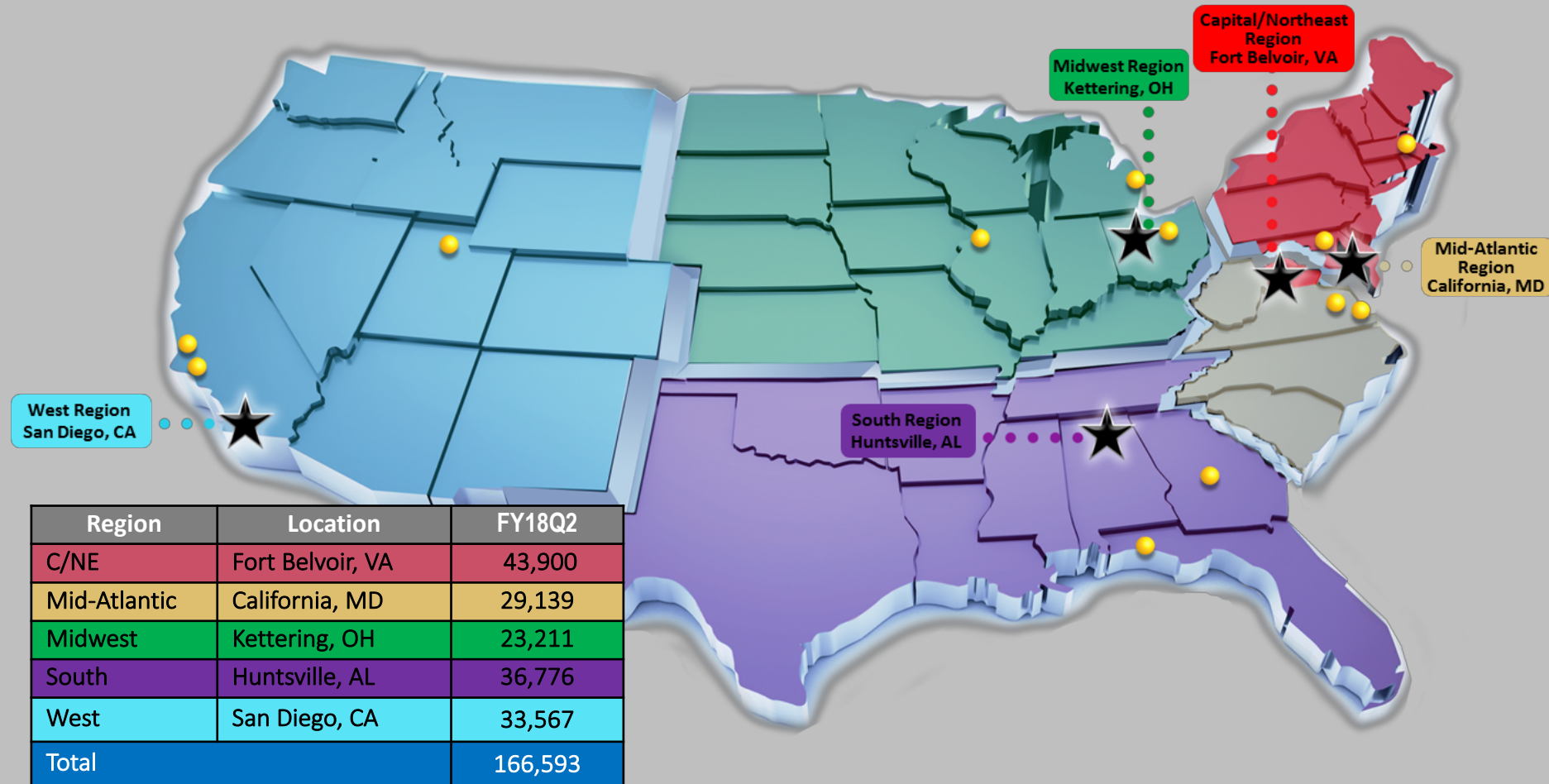
Performance Learning

Bill Kobren
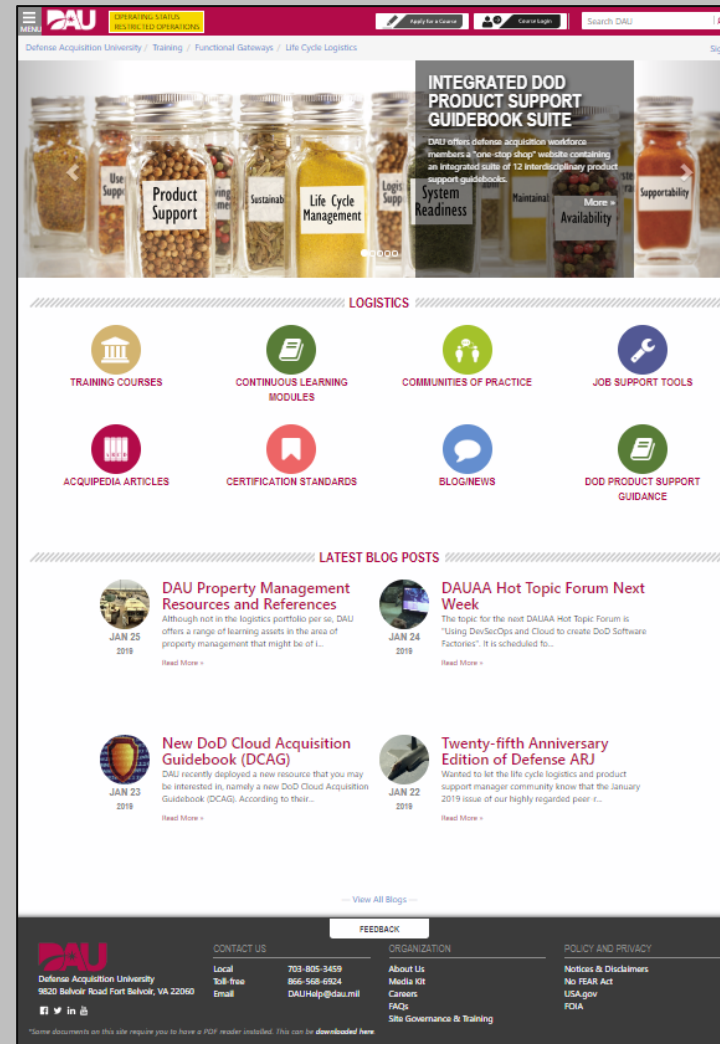**Director, Logistics & Sustainment Center**
May 15, 2019

DAU...
AN AWARD WINNING CORPORATE UNIVERSITY

Defense Acquisition University: Located With Our Customers

Capital/Northeast Region
Fort Belvoir, VA

Midwest Region
Kettering, OH

Mid-Atlantic Region
California, MD

West Region
San Diego, CA

South Region
Huntsville, AL

Region	Location	FY18Q2
C/NE	Fort Belvoir, VA	43,900
Mid-Atlantic	California, MD	29,139
Midwest	Kettering, OH	23,211
South	Huntsville, AL	36,776
West	San Diego, CA	33,567
Total		166,593

We are part of the community, not just a place to take classes.

Logistics Functional Gateway: "One-Stop Shop"

- **Menu & Operational Status** →
  - DAU Regional Locations & Colleges
  - Product Support References & Tools
  - Product Support Policy & Guidance
- **Rotator Announcements** →
  - Hot Topics
- **Logistics Quick Links** →
  - Training
  - Communities of Practice
  - Tools
  - ACQuipedia
  - Certification Standards
  - Product Support Guidance Suite
- **Logistics Director's Blog** →
  - Four Most Recent Blog Posts
  - Access to Archives Since 2009
- **Contact & Organizational Information & Feedback** →

https://www.dau.mil/training/career-development/logistics/

Integrated Suite of Product Support
Focused Learning Assets & Related Resources

Logistics Training (13)
http://icatalog.dau.mil/onlinecatalog/tabnav.aspx?tab=LOG

Logistics Continuous Learning (40)
http://icatalog.dau.mil/onlinecatalog/tabnavcl.aspx?tab=CLL

Product Support Guidance Suite (13)
https://www.dau.mil/tools/p/integrated-Product-Support-Guidebook-Suite

Logistics Functional Area Gateway
https://www.dau.mil/training/career-development/logistics/

Product Support Mission Assist Workshops (5), Consulting Support
www.dau.mil/consulting-services

Product Support Tools Suite (473)
https://www.dau.mil/tools/p/Integrated-Product-Support-Tools-and-Resources

Product Support Communities of Practice (3)
https://www.dau.mil/training/career-development/logistics/p/Communities-of-Practice

Product Support ACQuipedia Suite (147)
https://shortcut.dau.mil/acq/acquipedia

Product Support Articles (41) & Blogs (1,500)
https://go.usa.gov/xXaF4

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Focused Learning Assets & Related Resources

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Life Cycle Logistics DAWIA Certification Requirements (FY19)

Level I Certification

ACQ 101
Fundamentals of Systems Acquisition Management
25 hrs, online

ENG 101
Fundamentals of Systems Engineering
35 hrs, online

LOG 100
Life Cycle Logistics Fundamentals
27 hrs, online

LOG 102
Fundamentals of System Sustainment Management
25 hrs, online

LOG 103
Reliability, Availability and Maintainability (RAM)
22 hrs, online

CLL 008
Designing for Supportability in DoD Systems

CLL 011
Performance Based Life Cycle Product Support (PBL)

Knowledge based

1 Year Experience

Level II Certification

ACQ 202
Intermediate Systems Acquisition, Part A
35 hrs, online

ACQ 203
Intermediate Systems Acquisition, Part B
4.5 days, classroom

LOG 200
Product Support Strategy Development, Part A
22 hrs, online

LOG 201
Product Support Strategy Development, Part B
4.5 days, classroom

LOG 206
Intermediate Systems Sustainment Management
27 hrs, online

LOG 235
Performance-Based Logistics
16 hrs, online

CLL 001
Life Cycle Mgt & Sustainment Metrics

CLE 068
Intellectual Property & Data Rights

CLC 011
Contracting for the Rest of Us

CLL 012
Supportability Analysis

Choice of:
- EVM 101 Earned Value Mgt OR
- RQM 110 – Requirements Mgt OR
- CON 121/124/127 Contract Planning, Execution and Mgt OR
- LOG 204 – Configuration Mgt OR
- LOG 215 Technical Data Mgt

15-35 hrs, online

Application/case based

2 Years Experience

Level III Certification

LOG 340
Life Cycle Product Support
4.5 days, classroom

LOG 350
Enterprise Life Cycle Logistics Management
9.5 days, classroom

CLL 005
Developing a Life Cycle Sustainment Plan (LCSP)

CLL 015
Product Support Business Case Analysis (BCA)

CLL 020
Independent Logistics Assessments

Choice of:
- LOG 211 – Supportability Analysis OR
- BCF 216 – O&S Cost Analysis OR
- ACQ 265 – Services Acquisition OR
- ACQ 315 – Understanding Industry (Business Acumen)

4.0-4.5 days, classroom

Case/scenario based

4 Years Experience

LOG 465 Executive PSM Course

- **Two-week Post-Level III Training for ACAT I/II DoD PSMs**
  - PSM roles & responsibilities, leadership, proven practices, affordable/effective product support strategies
  - Executive-level case studies challenge PSMs with real-world sustainment scenarios
  - Students develop and defend creative and comprehensive solutions
  - Stakeholder Tactical Engagement Plan (STEP) tool to develop strategies to address stakeholder challenges
  - Students develop and deliver a sustainment lesson-learned presentation; current, real-world issues provide opportunities for peer feedback, and in-depth cross-Service communication & problem-solving
  - OSD, Service, Industry leaders support each offering; frank & candid discussion on sustainment challenges

- **Course Highlights**
  - Mandated by Principal Deputy ASD(L&MR) "DoD PSM Mandatory Training Requirement" memo (1 Feb 16)
  - Focus on PSM success fielding & sustaining systems within framework of 10 U.S.C. §2337 & DoD policy
  - Interdisciplinary emphasis: product support, business, engineering, contracting topics
  - Focus areas include leadership, critical thinking, cross-functional integration

"PSMs said information and training provided by Defense Acquisition University were excellent…"

- GAO-17-744R (Sep 17)

LOG 465 Executive PSM Course

- FY19-20 Class Schedule
  - 19-002: 29 Apr – 10 May 2019
  - 19-003: 12 – 23 Aug 2019
  - 20-001: 24 Feb – 6 Mar 2020
  - 20-002: 27 Apr – 8 May 2020
  - 20-003: 17 – 28 Aug 2020
- Details in DAU iCatalog
  - http://icatalog.dau.mil/onlinecatalog/courses.aspx?crs_id=2068

"Designed for Senior Managers, there is heavy use of critical thinking-based applications and financial justifications for any implementation decisions"
-- American Council on Education (ACE®) Review of LOG 465

Nearly 90 Interdisciplinary Product Support- Focused Online Training Opportunities

DAU
Defense Acquisition University

Product Support Strategy Development & Execution

- CLL 003 Logistics Test & Evaluation
- CLL 004 Life Cycle Logistics for the Rest of Us
- CLL 005 Life Cycle Sustainment Plan (LCSP)
- CLL 011 Performance Based Logistics (PBL)
- CLL 015 Business Case Analysis (BCA)
- CLL 020 Independent Logistics Assessments (ILA)
- CLL 031 PBL Contracting Strategies
- CLL 051 System Retirement, Reclamation, Demil & Disposition
- CLL 059 Sustaining Engineering
- CLE 074 Cybersecurity Across DoD Acquisition
- CLM 017 Risk Management
- CLM 048 Audit Readiness Requirements for DoD

Technical Data & Intellectual Property

- CLM 071 Introduction to Data Management
- CLM 072 Data Management Strategy Development
- CLM 073 Data Management Planning System
- CLM 074 Tech Data & Computer Software Rights
- CLM 075 Data Acquisition
- CLM 076 Data Markings
- CLM 077 Data Management Protection and Storage
- CLE 012 DoD Open Systems Architecture
- CLE 068 Intellectual Property & Data Rights

Product Support Metrics

- CLL 001 Life Cycle Mgmt & Sustainment Metrics
- CLE 016 Outcome-Based Performance Measures

Maintenance Planning & Management

- CLL 006 Depot Maintenance Partnering
- CLL 022 Depot Maintenance Statute Overview
- CLL 023 Title 10 USC 2464 Core Statute
- CLL 024 Title 10 2466 Limits on Depot Maintenance (50/50)
- CLL 025 Depot Maintenance Interservice Spt Agreements
- CLL 026 Depot Maintenance Capacity Measurement
- CLL 027 Software Life Cycle Management
- CLL 029 Condition Based Maintenance (CBM+)
- CLL 030 Reliability Centered Maintenance (RCM)
- CLM 038 Corrosion Prevention & Control Overview

Product Support Arrangements

- CLL 011 Performance Based Logistics
- CLL 021 Product Support Arrangements
- CLL 031 PBL Contracting Strategies
- CLC 011 Contracting for the Rest of Us
- CLC 013 Services Acquisition

Designing Supportable Systems

- CLL 008 Designing for Supportability
- CLL 012 Supportability Analysis
- CLL 033 Logistician's Responsibilities in Tech Reviews
- CLL 043 Green Logistics-Planning for Sustainability
- CLL 045 Designing for Transportability
- CLL 057 LORA - Introduction
- CLL 058 LORA – Theory & Principles
- CLL 206 Introduction to Parts Management
- CLE 001 Value Engineering
- CLE 012 DoD Open Systems Architecture (OSA)
- CLE 036 ECPs for Engineers
- CLE 062 Human Systems Integration
- CLE 074 Cybersecurity Throughout DoD Acquisition
- CLE 301 R&M Engineering Overview

Product Support Affordability

- CLB 025 Total Ownership Cost
- CLB 040 Should Cost Management
- CLM 021 Reducing Total Ownership Costs
- CLM 032 Evolutionary Acquisition
- CLE 015 Continuous Process Improvement

Integrated Product Support

- CLL 004 Life Cycle Logistics for Rest of Us
- CLL 046 The Twelve IPS Elements

Supply Chain Management

- CLL 002 DLA Support To the PM
- CLL 007 Lead-Free Electronics
- CLL 013 DoD Packaging
- CLL 032 Preventing Counterfeit Parts from DoD Supply System
- CLL 037 DoD Supply Chain Fundamentals
- CLL 038 Provisioning & Cataloging
- CLL 062 Counterfeit Prevention Awareness
- CLL 120 Introduction to the DoD Shelf Life Program
- CLL 200-202; CLL 207 DMSMS
- CLL 113 Packaging of Hazardous Materials (*Future*)
- CLM 044 Radio Frequency Identification
- CLM 200 Item Unique Identification (IUID)
- CLM 201 Serialized Item Management (SIM)
- CLE 040 IUID Marking
- CLE 080 SCRM for Information and Communications Technology

Suite of DoD Product Support Guidance Accessible from a Single Site
https://www.dau.mil/tools/p/integrated-Product-Support-Guidebook-Suite

PSM Guidebook
Product Support Key Reference

DAG Chapter 4
Life Cycle Sustainment

PBL Guidebook
Product Support Arrangements

O&S Cost Mgmt Guidebook
Cost Guidance

PPP Guidebook
Partnership Development

BCA Guidebook
COA Guidance

Life Cycle Sustainment Plan (LCSP)
Product Support Strategy Documentation

ILA Guidebook
Product Support Readiness

DMSMS Guidebook
SD-22 DMSMS Mgmt Program

CBM+ Guidebook
Maintenance Enablers

IPS Element Guidebook
12 Product Support Elements

MIL-HDBK-502A Product Support Analysis
Supportability Analysis Process

Corrosion Manual
Corrosion Prevention & Control

RAM-C Report Manual
Design for Supportability

Life Cycle Logistics – Professional Reading List

- Professional Reading List available on LOG CoP
  - https://www.dau.mil/cop/log/Pages/Topics/Life-Cycle-Logistics-Career-Field-Recommended-Reading-List.aspx
- Six primary topic areas:
  - Logistics Engineering & Designing for Supportability
  - Supply Chain Management
  - Business Case Analysis
  - Continuous Product & Process Improvement
  - Organizational Excellence, Customer Focus & Strategic Transformation
  - Leadership & Management

> **"Not all readers are leaders, but all leaders are readers"**
> **-- *Former President Harry S. Truman***

DAU APP for Smartphones
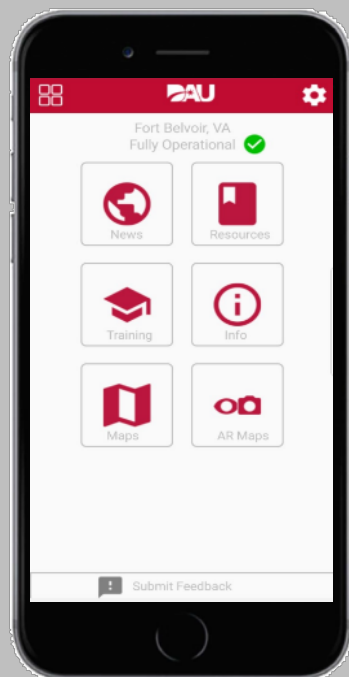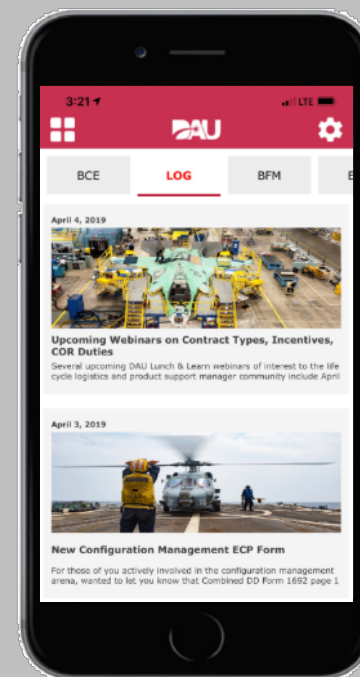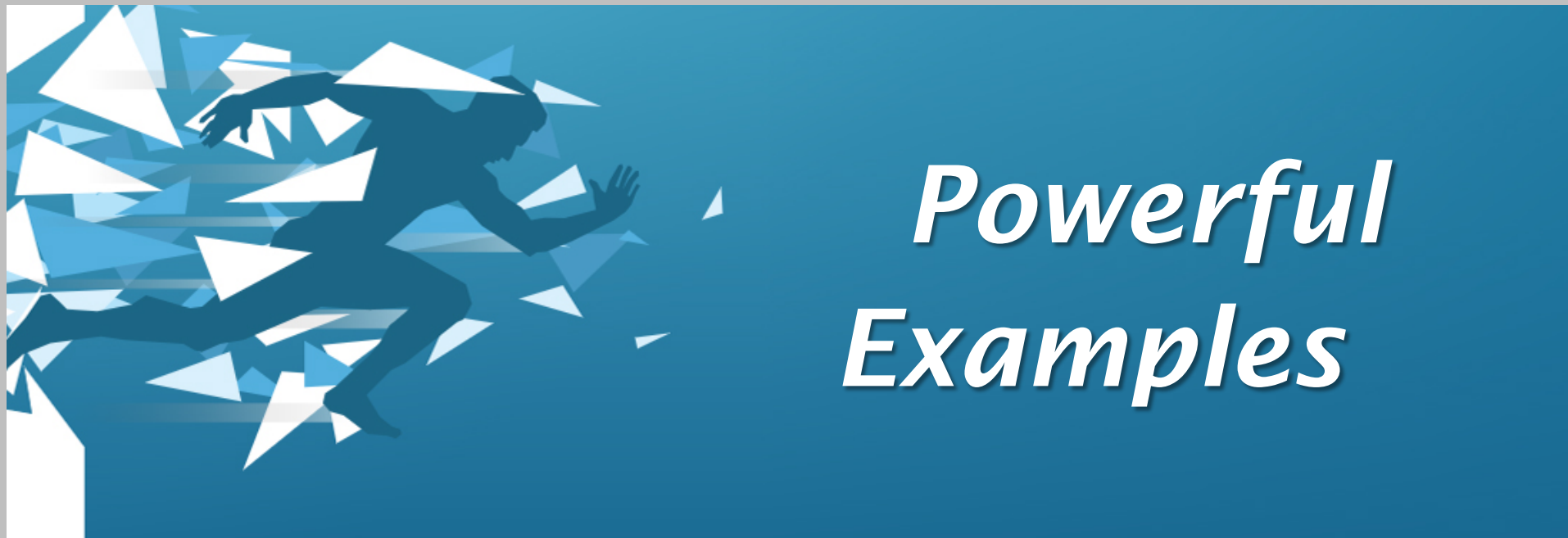
"20 Questions" Every PSM Should be Prepared to Answer

1. What is our product support strategy? How do we know it's the right approach?
2. What are our key program product support metrics? Why were they selected?
3. When was our LCSP last updated? What's changed since? When will it next be revised?
4. Who are our product support integrators (PSI) & product support providers (PSP)? Why?
5. What kind of product support arrangements do we have with our PSIs & PSPs?
6. Tell me about our product support should cost initiatives? What are the results? How do we know?
7. Are we leveraging an affordable & effective PBL product support strategy? Why or why not?
8. Does our maintenance planning include public-private partnerships (PPP)? Why or why not?
9. What is our DMSMS and obsolescence mitigation strategy? Is it working? If not, why not?
10. When was our most recent Independent Logistics Assessment (ILA)? What were the results? What are we doing to resolve shortfalls? When is the next one scheduled?
11. When was our Product Support Business Case Analysis (BCA) last updated? Results?
12. What is our depot source of repair (DSOR) strategy? Core logistics assessment (CLA) results?
13. How do we mitigate risks when shifting sustainment workloads to new PSIs/PSPs?
14. How effective is your interface with the systems engineering community? How do you know?
15. What are our primary product support risks -- and what are our mitigation plan(s)?
16. What is our intellectual property strategy? How was it determined?
17. How are we using system test & evaluation to assess veracity of our product support strategy?
18. What is our Supply Chain Risk Management (SCRM) strategy? What will it do for us?
19. What is our product support funding profile? Does it meet projected requirements over the FYDP?
20. *How satisfied are our Warfighter customers with our product support planning & execution?*

A Few Final Thoughts

- We Must Continue to "Up Our Game"

- Lifelong Learning is a Professional Imperative – Both in & out of Government

- Technological Change Demands Stronger and More Continuous Connections Between Education and Employment

- Technology & Threats Rapidly Evolving... SCRM, Counterfeits, Cyber, AI, Machine Learning, IP, Data Analytics, Agile Acquisition/MTA, Software LCM and list goes on

- Interdisciplinary Integration, Teaming and Collaboration are Critical: We Must Get Out of Our Respective Functional Silos

- DAU stands ready to support you

The Economist

SPECIAL REPORT
LIFELONG EDUCATION
January 14th 2017

Learning and earning
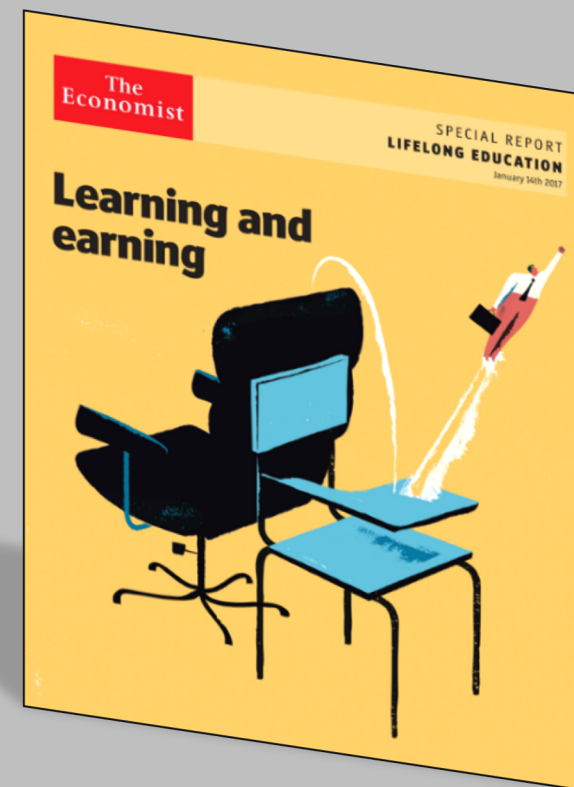
Reference: PD ASD(A&S) Presentation, 3 Apr 19

Questions?

Aligning with the 2018 National Defense Strategy

Product Support efforts must align with and support the three lines of effort outlined in the 2018 National Defense Strategy (NDS):

1. **Rebuilding military readiness** as we build a more lethal Joint Force

    - Including focus on resilient and agile logistics

2. **Strengthening alliances** as we attract new partners

    - Leveraging public-private partnering opportunities

3. **Reforming the Department's business practices** for greater performance and affordability

    - Including focus on "streamlining rapid, iterative approaches to capability development"
    - Including focus on "logistics and supply chain management, wherein Department seeks to transform sustainment to enhance operational readiness…"
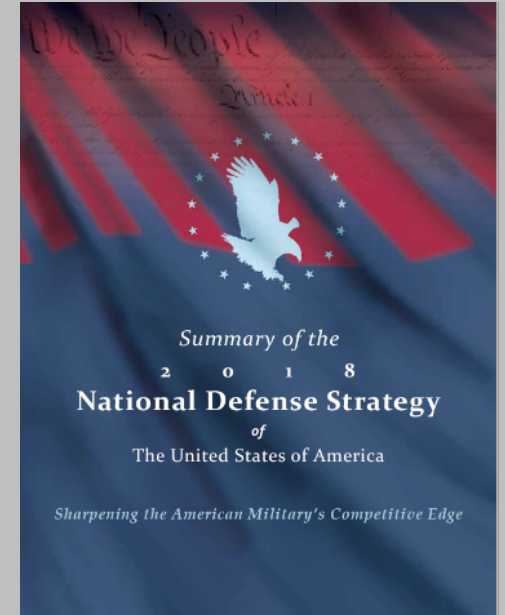
Life-Cycle Sustainment Planning
(DoDI 5000.02, Enclosure 6)

- Sustainment **across the life cycle**

- Reflects increased **emphasis on program sustainment and operation & support costs**

- Detailed planning required in support of **all acquisition phases**

- PBL Policy - Requires PMs to "develop and implement an affordable & effective **performance-based product support strategy**"

- Requires **Life-Cycle Sustainment Plan (LCSP)** for all programs, including IP Strategy & annex for Core Logistics Analysis

- Outlines overarching **Sustainment Metrics**

- Component-conducted **Independent Logistics Assessments (ILA)** for programs prior to key decision points and milestone decisions to assess sustainment strategy

- **Post-IOC assessments** required every 5 years

- FY16 NDAA Sec 804 required rapid fielding guidance include life-cycle costs and addressing logistics support

- "…Consistent with this authority, sustainment resourcing and planning must be key considerations of rapid fielding"

- "…Systems planned for rapid fielding must develop an affordable sustainment strategy, beginning with designing sustainment attributes, such as maintainability and reliability, into system specifications and requirements"

- "…sustainment functions, such as planned and unplanned maintenance, technical data rights levels, manpower, training, and supply must be considered and addressed in the acquisition strategy or tailored Life Cycle Sustainment Plan"

- "…Organizations utilizing this interim authority must include sustainment considerations…"
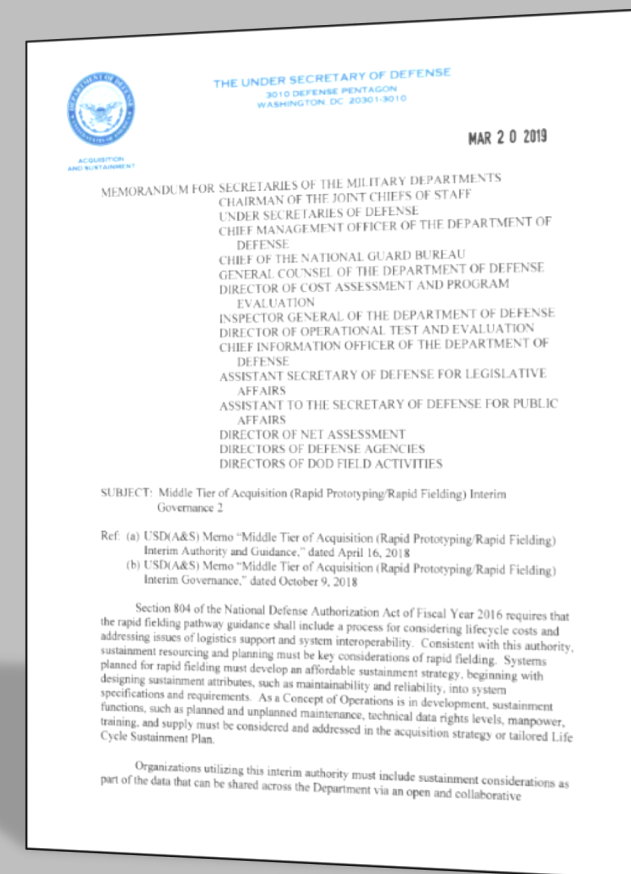
Agile Acquisition Resources

- New DoD OT Guidebook https://www.dau.mil/tools/t/Other-Transactions-(OT)-Guide

- OT Mythbusting Micro-videos https://media.dau.mil/esearch/search?keyword=%22OT%20Mythbusting%22

- CLC 035 Other Transaction Authority for Prototype Projects http://icatalog.dau.mil/onlinecatalog/courses.aspx?crs_id=424

- OT ACQuipedia Article https://www.dau.mil/acquipedia/Pages/ArticleManage.aspx?aid=dd749bb2-2ed0-49ca-868e-83f02962ee3e

- Digital Acquisition Prototype Website http://go.usa.gov/xPtB7

- Adaptive Acquisition Framework https://aaf.dau.mil/aaf/

- Contracting Cone https://aaf.dau.mil/contracting-cone